

Patent Abstracts of Japan

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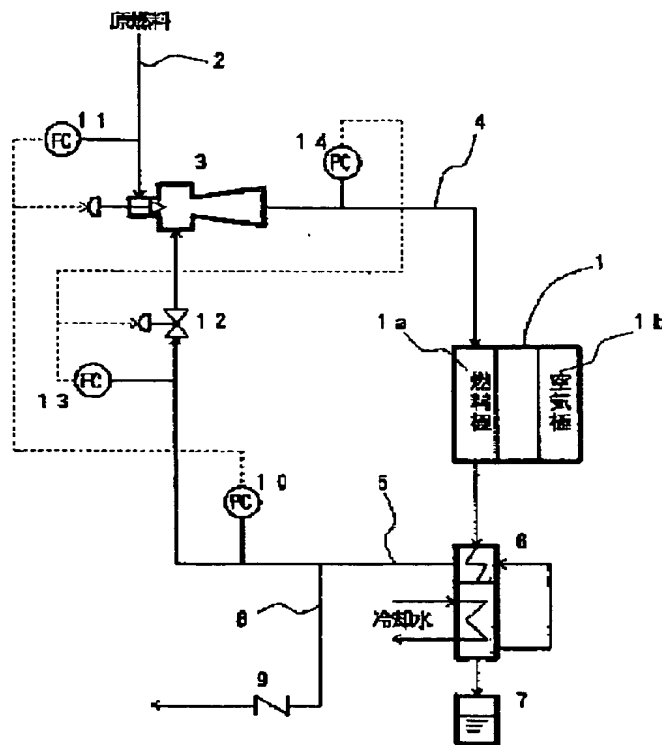
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APPLICANT : FUJI ELECTRIC CO LTD;

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TITLE : FUEL CELL GENERATING APPARATUS



ABSTRACT : PROBLEM TO BE SOLVED: To provide a fuel gas system controlling a utilization factor of hydro gen of a fuel cell to a suitable amount corresponding to a load further with operation stable even in a low load.

SOLUTION: In a fuel cell generating set recirculating discharge gas of a fuel electrode 1a of a fuel cell 1 mixed with crude fuel in an ejector pump 3 and supplied to the fuel cell 1a as fuel gas, a recirculating gas pressure gage 10 adjusting a crude fuel supply valve of the ejector pump 3 to control a crude fuel supply amount by feeding a control signal is provided in a recirculating gas circuit 5. A recirculating gas flow regulating valve 12 and a recirculating gas flow meter 13 are provided in the recirculating gas circuit 5, a flow amount of recirculating gas is adjusted corresponding to a load of the fuel cell, further with a delivery pressure gage 14 provided in an outlet of the ejector pump 3, a flow amount of recirculating gas is adjusted by feeding a control signal, so as to hold a delivery pressure of the ejector pump 3 to a prescribed value or more.

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